112	130	112

108

104

FIG 1a (Prior Art)

132
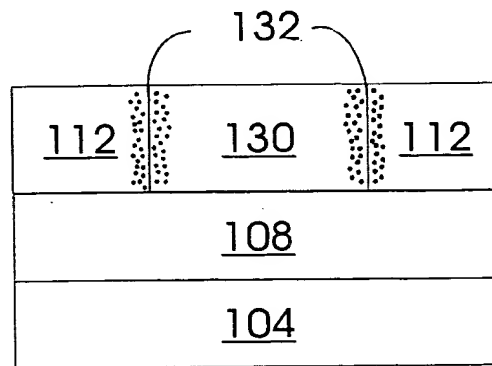
112	130	112

108

104

FIG 1B (Prior Art)

133

112	130	112

108

104

FIG. 1c (Prior Art)

146

| 112 | 110 | 112 |

108

104

FIG 2a

200

146

| 112 | 130 | 112 |

108

104

FIG 2b

200

128
126
122
118
114
108
104

300

FIG 3a (Prior Art)

128	129	128

126
122
118
114
108
104

300

FIG 3b   (Prior Art)

126		126
122	129	122
118		118
114		114

108
104

300

FIG 3c (Prior Art)

126	130	126
122		122
118		118
114		114

| 108 |
| 104 |

300

FIG 3d (Prior Art)

126	134	
122		
118	130	
114		

| 108 |
| 104 |

300

FIG 3e (Prior Art)

126	138	
122		
118	130	
114		

| 108 |
| 104 |

300

FIG 3f (Prior Art)

142

| 126 |
| 122 | 130 |
| 118 |
| 114 |

300

| 108 |

| 104 |

FIG 3g (Prior Art)

113

146

113

126		
122	130	
118		
114		

400

108

104

FIG 4

E.M.R.

126	126
122	122
118	118
114	114

129

500

108

104

FIG 5

N^+

126	126
122	122
118	118
114	114

129

600

118

104

FIG 6

FIG 7

$\overline{e}\longleftarrow\quad\overline{e}$

$\uparrow\ \overline{e}$

FIG. 8a

$\longleftarrow$

$\longleftarrow\quad e^-$

FIG. 8b

FIG. 9

FIG. 10

108 108 108

104

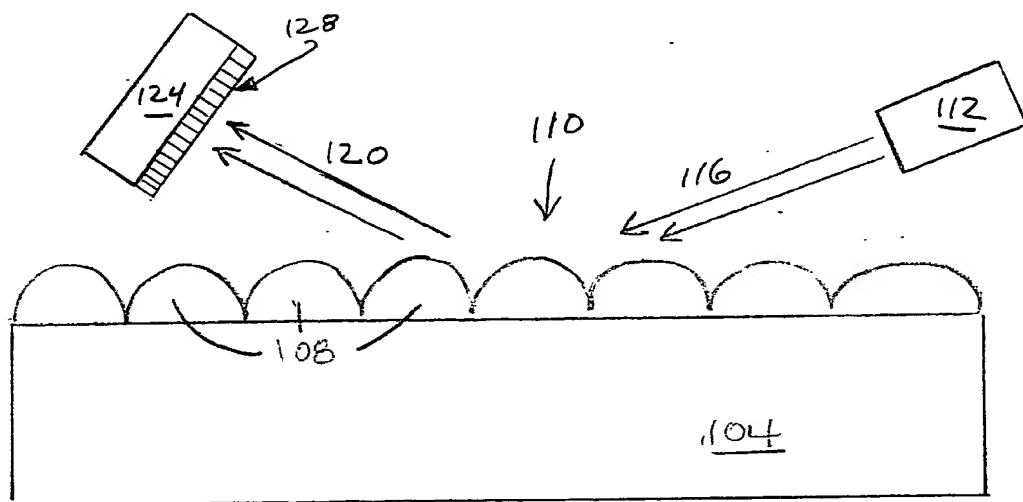$\overset{\longleftrightarrow}{L}$

FIG. 11

128

124 128

110

112

120

116

108

104

FIG. 12a

I_{xo}

TIME
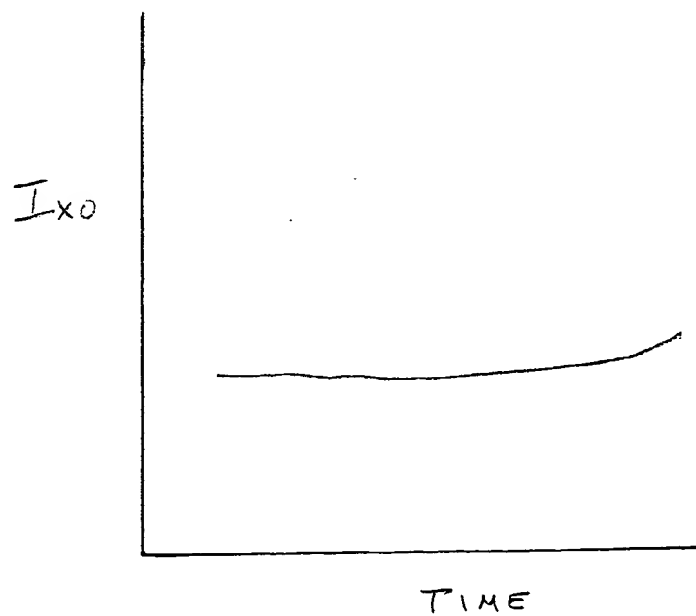
FIG. 12b

FIG. 12C

FIG. 12d

124 126

114

110

116

120

θ

113

108 L_1

112

104

FIG. 13a

I_{e1}

$\frac{1}{L_1}$

$\frac{1}{L}$

FIG. 13b

FIG 13c

I_{t_2}

$\dfrac{1}{L_2}$ $\dfrac{1}{L_1}$

$\dfrac{1}{L}$

FIG 13d

113

← 115

107

105

1400

104

FIG. 14a

Rsh_2

Rsh

Rsh_1

T_c

Temperature (C^o)

FIG. 14b